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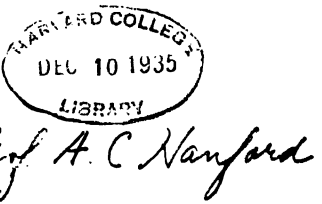

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PREFATORY NOTE

The following list of theses (1920) has been compiled according to the plan adopted for the list of 1912, in which the method and arrangement are explained on pages 7 to 9 of the introduction by Mr. Charles A. Flagg. Theses received before November 1, 1921, are included in this list; theses received later will appear as a supplement to the list for 1921.

Supplementary lists of theses printed in 1912, 1916, 1918, and 1919 are prefixed. They are numbered continuously with the lists of 1912, 1916, 1918, and 1919 and distinguished in the subject index (Section III) by the addition of the date.

MARY W. MACNAIR
In Charge of Theses, Catalogue Division

HERBERT PUTNAM
Librarian of Congress
Washington, D. C., November, 1921

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SUPPLEMENTARY LISTS OF THESES PRINTED IN 1912, 1916, 1918, AND 1919

(Received too late for 1912, 1916, 1918, and 1919 lists)

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FIFTH SUPPLEMENTARY LIST OF THESES PRINTED IN 1912

(In continuation of first, second, third, and fourth supplementary lists prefixed to Lists of Theses printed in 1913, 1914, 1915, and 1916)

284 **MacDonald, Daniel J.**, 1881–

The radicalism of Shelley and its sources ... Washington, D. C., 1912. 143 p.

Catholic university of America, 1912, PH. D.

21–9014 PR5442.R3M3 1912

THIRD SUPPLEMENTARY LIST OF THESES PRINTED IN 1916

(In continuation of first and second supplementary lists prefixed to Lists of Theses printed in 1917 and 1918)

401 **Matson, George Charlton**, 1873–

... The phosphate deposits of Florida ... [Washington, 1916] 2 p. l., 3–101 p.

University of Chicago, 1920, PH. D.

"A private edition distributed by the University of Chicago libraries."

"Reprinted from United States Geological survey, Bulletin 604."

21–17759 TN914.U5M3 1916

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SECOND SUPPLEMENTARY LIST OF THESES PRINTED IN 1918

(In continuation of first supplementary list prefixed to List of Theses printed in 1919)

369 **Goldberg, Samuel Alexander,** 1883–

The pathology of spavin ... [Boston, 1918] 1 p. l., p. 225–265.

Cornell university, 1917, PH. D.

"Reprinted from the Journal of medical research, volume XXXVIII, no. 2 (new series, vol. XXXIII, no. 2) ... May, 1918."

21–16557 SF959.S6G6

370 **Larkin, Thomas Ernest,** 1894–

A study of apprenticeships, trade and educational agreements ... [Washington?] 1918. 80 p.

Catholic university of America, 1918, PH. D.

"This monograph is the result of a study undertaken by the writer in connection with the Indianapolis vocational education survey."

21–8989 HD4885.U5L3

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SUPPLEMENTARY LIST OF THESES PRINTED IN 1919

258 **Hungerford, Herbert Barker,** 1883–

The biology and ecology of aquatic and semi-aquatic *Hemiptera* ... [Lawrence, Kan., 1919] 2 p. l., 3–341 p.

Cornell university, 1918, PH. D.

Published also as the Kansas university science bulletin, vol. XI, Dec. 1919.

21–19249 QL521.H8

259 **Morgan, Jerome John,** 1880–

A study of the vapor pressures of potassium compounds, with applications to the recovery of potash by volatilization ... New York city, 1919. 41 p.

Columbia university, 1919, PH. D.

21–19251 QC304.M7

260 **Mounts, Lewis Hendrix.**

Dependents, defectives and delinquents in Iowa; a study of the sources of social infection ... Iowa City, Ia. [The University] 1919. 166 p.

University of Iowa, 1916, PH. D.

Published also as University of Iowa studies in the social sciences ... vol. VII, no. 2, February, 1919.

21–17436 HV98.I 8M6

261 **Smyth, Henry De Wolf,** 1898–

The radiating potentials of nitrogen ... [Lancaster, Pa., Press of the New era printing company, 1919] 1 p. l., p. [409]–426.

Princeton university, 1921, PH. D.

"Reprinted from the Physical review, n. s., vol. XIV, no. 5, November, 1919."

21–12546 QC702.S6

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262 **Stoner, Dayton,** 1883–

The *Scutelleroidea* of Iowa ... Iowa City, Ia., 1919. 140, [2] p.

University of Iowa, 1919, PH. D.

Published also as University of Iowa studies in natural history. vol. VIII, no. 4, August, 1920.

21–17750 QL523.S4S7 1919

263 **Williams, J. Harold,** 1888–

... The intelligence of the delinquent boy ... Whittier, Calif., Whittier state school, Dept. of research, 1919. 198 p.

(Whittier state school, Whittier, Calif. Journal of delinquency. Monograph no. 1)

Leland Stanford junior university, 1916, PH. D.

Published also without thesis note.

22–3236 HV9069.W52

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SECTION I

ALPHABETICAL LIST OF THESES PRINTED IN 1920

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ALPHABETICAL LIST OF THESES PRINTED IN 1920

1 **Abbott, William Lewis.**

... Competition and combination in the wholesale grocery trade in Philadelphia ... Menasha, Wis., George Banta publishing company, 1920. 2 p. l., 87 p.

University of Pennsylvania, 1920, PH. D.

21–354 HD9321.8.P5A3

2 **Achilles, Edith Mulhall,** 1892–

Experimental studies in recall and recognition ... New York, 1920. v, 80 p., 1 l.

Columbia university, 1918, PH. D.

"Reprinted from Archives of psychology, no. 44."

21–3506 BF371.A3

3 **Adams, James Fowler,** 1888–

Sexual fusions and development of the sexual organs in the peridermiums ... Williamsport, Pa., Press of the Sun printing & binding co., 1920. 1 p. l., 31–77, [1] p.

Columbia university, 1918, PH. D.

"Reprinted ... from Bulletin 160, Pennsylvania state college, School of agriculture and experiment station."

21–1341 QK627.P8A3

4 **Adler, Howard,** 1896–

The formation of addition compounds between formic acid and metallic formates. A discussion of the factors affecting the stability of these compounds ... New York city, 1920. 40 p., 1 l.

Columbia university, 1921, PH. D.

21–7188 QD411.A3

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5 **Albrecht, William Albert,** 1888–

Symbiotic nitrogen fixation as influenced by the nitrogen in the soil ... [Baltimore, 1920] 2 p. l., p. 275–327, 1 l.

University of Illinois, 1919, PH. D.

"Reprinted from Soil science, vol. IX, no. 5, May, 1920."

20–27279 S651.A45

6 **Alexander, Charles Paul,** 1889–

The crane-flies of New York. Part II. Biology and phylogeny ... [Ithaca, 1920] 2 p. l., p. 695–1133.

Cornell university, 1918, PH. D.

"Published as Memoir 38 of the Cornell university Agricultural experiment station, June, 1920."

"Part I of The crane-flies of New York, dealing with distribution and taxonomy of the adult flies, was published in 1919 as Memoir 25 of the Cornell university Agricultural experiment station."—p. 699.

21–17460 QL535.1.A4 1920

7 **Allen, Morse Shepard,** 1891–

The satire of John Marston ... Columbus, O. [The F. J. Heer printing co.] 1920. 3 p. l., 5–187 p.

Princeton university, 1919, PH. D.

20–15494 PR2697.A6

8 **Amos, Flora Ross,** 1881–

Early theories of translation ... New York, Columbia university press, 1920. xv, 184 p., 1 l.

(*Half-title:* Columbia university studies in English and comparative literature)

Columbia university, 1919, PH. D.

Published also without thesis note.

20–5185 PN241.A5

9 **Anthony, Roy David,** 1884–

Asexual inheritance in the violet (*Viola odorata*) ... [Geneva, N. Y., 1920] 2 p. l., 3–55 p.

Cornell university, 1920, PH. D.

"Reprinted from Technical bulletin no. 76, New York Agricultural experiment station, March, 1920."

21–8999 SB413.V8A5

Digitized by Google

10 **Atkinson, Geoffroy,** 1892–

The extraordinary voyage in French literature before 1700 ... New York, Columbia university press, 1920. xiii, 192 p.

Columbia university, 1920, PH. D.

Columbia university studies in romance philology and literature. One of number of copies issued with thesis note.

21–311 PQ145.7.A2A8

11 **Ayusawa, Iwao Frederick,** 1894–

International labor legislation ... New York, 1920. 2 p. l., 7–259 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCI, no. 2; whole no. 208.

21–355 HD7809.A7

12 **Bagg, Halsey Joseph,** 1889–

Individual differences and family resemblances in animal behavior, a study of habit formation in various strains of mice ... New York, 1920. v, 59 p.

Columbia university, 1918, PH. D.

"Reprinted from Archives of psychology, no. 43."

20–18345 QL751.B17

13 **Bair, William Harry,** 1879–

The spectra of some compound gases ... Berkeley, Calif., 1920. cover-title, p. 301–316.

University of California, 1920, PH. D.

"Reprinted from the Astrophysical journal, vol. LII, no. 5."

21–10476 QC454.B3

14 **Baker, Ray Palmer.**

A history of English-Canadian literature to the confederation; its relation to the literature of Great Britain and the United States ... Cambridge, Harvard university press; [etc., etc.] 1920. xi, 200 p., 1 l.

Harvard university, 1916, PH. D.

Without thesis note.

21–385 PR9111.B3

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15 **Baldwin, Donald C.**

... Capital control in New York ... Menasha, Wis., George Banta publishing company, 1920. xxiv, 255 p.

University of Pennsylvania, 1918, PH. D.

21–6105 HD2767.N74B3

16 **Balls, Arnold Kent,** 1891–

The occurrence of aluminium, and its absorption from food, in dogs ... Peekskill, N. Y., Highland democrat print, 1920. 1 p. l., 22 p.

Columbia university, 1917, PH. D.

21–1338 QP535.A4B3

17 **Barkenbus, Charles.**

... Some constituents of *Viburnum prunifolium,* by Frederick W. Heyl and Charles Barkenbus. [Easton, Pa., 1920] cover-title, p. [1744]–1755.

"Based upon the thesis presented by Charles Barkenbus to the faculty of the Graduate school of Yale university in partial fulfillment of the requirements for the degree of doctor of philosophy [1920]"

"Contribution from the Chemical research laboratory, Upjohn company."

"Reprinted from the Journal of the American chemical society. vol. XLII. no. 8, August, 1920."

21–16906 RS165.V6H4

18 **Barry, Lee Willis,** 1886–

... The effects of inanition in the pregnant albino rat, with special reference to the changes in the relative weights of the various parts, systems, and organs of the offspring ... [Washington, 1920] cover-title, p. 91–136.

University of Minnesota, 1919, PH. D.

At head of title: Contributions to embryology, no. 53.

"<Extracted from publication 274 of the Carnegie institution of Washington>"

21–19252 QP281.B3

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19 **Barter, John Douglas,** 1889–

The homogeneous vector function and determinants of the P-th class ... [Berkeley, 1920] cover-title, p. 321–343.

University of California, 1917, PH. D.

University of California publications in mathematics, v. 1, no. 14, November 11, 1920, with special thesis t.-p. dated 1917 attached to the cover-title.

21–27008 QA261.B3

20 **Barton, Arthur Willis.**

... The lipolytic activity of the castor and soy bean ... [Easton, Pa., 1920] cover-title, p. [620]–632.

Northwestern university, 1918, PH. D.

Thesis note is on slip mounted as foot-note on p. [620]

"Reprinted from the Journal of the American chemical society, vol. XLII. no. 3. March, 1920."

20–18998 QP601.B25

21 **Baskett, William Denny.**

... Parts of the body in the later Germanic dialects ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–xii, 139 p.

University of Chicago, 1916, PH. D.

"Linguistic studies in Germanic, no. 5."

20–5183 PD585.B32

22 **Bassett, Henry Jewell,** 1880–

Macrinus and Diadumenianus ... Menasha, Wis., George Banta publishing company, 1920. 94 p.

University of Michigan, 1920, PH. D.

21–27058 DG302.B3

23 **Bell, Frederick Keller,** 1895–

The influence of copper on the rate of solution of iron in acids ... Baltimore, Md., 1920. 31, [1] p.

Johns Hopkins university, 1920, PH. D.

21–12545 QD181.F4B4

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24 **Benjamin, Earl Whitney,** 1889–

A study of selections for the variation and inheritance of the size, shape and color of hens' eggs ... [Ithaca, 1920] 1 p. l., p. 191–312.

Cornell university, 1914, PH. D.

"Completes the work reported in part in a thesis presented by the writer to Cornell university in 1912 for the degree of master of science in agriculture."—p. 195.

Cornell university. Agric. exp. stat. Memoir 31. May, 1920.—Ms. note on t.-p.

21–17753 SF490.B4

25 **Bergman, Herbert Floyd,** 1883–

... The relation of aeration to the growth and activity of roots and its influence on the ecesis of plants in swamps ... [London, 1920] cover-title, p. [13]–33.

University of Minnesota, 1918, PH. D.

Thesis note is at the foot of p. [13]

"Annals of botany, vol. XXXIV, no. CXXXIII, January, 1920."

20–18995 QK746.B4

26 **Berkson, Isaac Baer,** 1891–

Theories of Americanization; a critical study, with special reference to the Jewish group ... New York city, Teachers college, Columbia university, 1920. viii, 226 p., 1 l.

Columbia university, 1919, PH. D.

Published also as Contributions to education, no. 109, Teachers college, Columbia university.

21–9447 E184.J5B482

27 **Billings,** *Mrs.* **Grace Elvina (Hadley)**

... The art of transition in Plato ... Chicago, Ill., 1920. 3 p. l., 103, [1] p.

University of Chicago, 1915, PH. D.

"A private edition distributed by the University of Chicago libraries."

20–20337 PA4329.B5

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28 **Bills, Marion Almira,** 1886–

The lag of visual sensation in its relation to wave-lengths and intensity of light ... Princeton, N. J., and Lancaster, Pa., Psychological review co. [1920] vi, 101, [1] p.

Bryn Mawr college, 1917, PH. D.

Published also as Psychological review publications. Psychological monographs ... vol. XXVIII, no. 5; whole no. 127.

21–16401 BF241.B5

29 **Bisson, Charles Stewart,** 1891–

The heat of solution and the partial molal heat content of the constituents in aqueous solutions of sodium chloride ... [Easton, Pa., 1920] cover-title, p. [347]–367.

University of California, 1919, PH. D.

Thesis t.-p. dated 1919 attached to the cover of the issue by Merle Randall and Charles S. Bisson, which was reprinted from the Journal of the American chemical society, vol. XLII. no. 3. March, 1920.

20–18997 QD541.B5

30 **Blachly, Clarence Dan.**

... The treatment of the problem of capital and labor in social-study courses in the churches ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–viii, 81 p.

University of Chicago, 1919, PH. D.

Published also without thesis note.

20–4622 HD6338.B52

31 **Blackiston, Harry Spencer.**

... A study in the ethics of the early romantic school in Germany ... Philadelphia, International printing company, 1920. 37 p.

University of Pennsylvania, 1920, PH. D.

20–17234 PT363.E8B6

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32 **Blanchard, Phyllis Mary.**

The adolescent girl; a study from the psychoanalytic viewpoint ... with a preface by Dr. G. Stanley Hall. New York, Moffat, Yard and company, 1920. xiv, 13–242 p.

Clark university, 1919, PH. D.

Thesis note on type-written slip mounted in front of book.

20–8047 HQ26.B6

33 **Boeshore, Irwin.**

... The morphological continuity of *Scrophulariaceae* and *Orobanchaceae* ... Philadelphia, 1920. 1 p. l., p. 139–177.

University of Pennsylvania, 1920, PH. D.

21–9686 QK495.S43B6

34 **Bonbright, James Cummings,** 1891–

Railroad capitalization, a study of the principles of regulation of railroad securities ... New York, 1920. 1 p. l., 5–207 p.

Columbia university, 1921, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCV, no. 1, whole no. 215.

21–3356 HE2236.B6

35 **Borden, Raymond Franklin,** 1892–

On the Laplace-Poisson mixed equation ... [Baltimore, 1920] 1 p. l., 257–277, [1] p.

University of Illinois, 1918, PH. D.

"Reprinted from American journal of mathematics, vol. XLII, no. 4, Oct. 1920."

21–27094 QA371.B73

36 **Bowen, Robert Hall,** 1892–

Studies on insect spermatogenesis ... [Lancaster, Pa., 1920] 1 p. l., [1], 316–362 p., 1 l.

Columbia university, 1921, PH. D.

"Reprinted from Biological bulletin, vol. XXXIX, no. 6."

21–4585 QL966.B75

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37 **Boyce, Helen,** *d.* 1920.

... The mines of the Upper Harz from 1514 to 1589 ... Menasha, Wis., George Banta publishing company, 1920. viii, 122 p.

University of Chicago, 1917, PH. D.

"Based on a chronicle of the Upper Harz mines which covers the years from 1505 until 1583 ... written in the sixteenth century by Hardanus Hake ... The main portion of the chronicle was published for the first time in 1911 under the title Die bergchronik des Hardanus Hake, pastors zu Wildemann, and was edited by Dr. H. Denker of Osnabrück."—Introd.

21–11662 TN74.H3B6

38 **Boyce, John Shaw,** 1889–

The dry-rot of incense cedar ... [Washington, 1920] cover-title, 58 p.

Leland Stanford junior university, 1917, PH. D.

United States Department of agriculture Bulletin no. 871, with thesis cover-title.

21–4180 SB608.C38B5

39 **Boyer, Philip Albert.**

... The adjustment of a school to individual and community needs ... Philadelphia, Pa., 1920. 141 p.

University of Pennsylvania, 1920, PH. D.

"An attempt to apply to the organization and management of a school the principles of efficiency underlying scientific management in industry. The school under consideration [is] the Stanton-Arthur ... Philadelphia."—Introd.

"The immediate community served by the Stanton-Arthur contains a large proportion of negroes."—p. 41.

21–11108 LB2806.B6

40 **Bradley, Glenn Danford,** 1884–

The story of the Santa Fe ... Boston, R. G. Badger [1920] 288 p.

[Frontiers of America]

University of Michigan, 1915, PH. D.

Published also without thesis note.

20–13848 HE2791.A83 1920 a

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41 **Bräunlich, Alice Freda.**

... The indicative indirect question in Latin ... Chicago, Ill., 1920. xxxi, 211 p.

University of Chicago, 1913, PH. D.

"Private edition, distributed by the University of Chicago libraries."

20–18756 PA2297.B7

42 **Brakeley, Elizabeth,** 1894–

Factors affecting the stability of addition compounds in solution and their influence upon viscosity ... New York city, 1920. 28 p.

Columbia university, 1920, PH. D.

20–18344 QD501.B785

43 **Brossard, Edgar Bernard,** 1889–

Some types of irrigation farming in Utah ... [Logan, Utah, 1920] cover-title, 2 p. l., [3]–140 p.

University of Minnesota, 1920, PH. D.

Published also as Bulletin no. 177 of Utah agricultural college. Experiment station.

21–13807 S451.U8B7

44 **Broughton, Leslie Nathan,** 1877–

The Theocritean element in the works of William Wordsworth ... Halle (Saale) M. Niemeyer, 1920. vi p., 1 l., 193, [1] p.

Cornell university, 1911, PH. D.

21–8202 PR5886.B7

45 **Brown, Everett Somerville,** 1886–

The constitutional history of the Louisiana purchase, 1803–1812 ... [Berkeley, 1920] 3 p. l., v–xi, 248 p.

University of California, 1917, PH. D.

University of California publications in history, vol. x, with special thesis t.-p. inserted.

20–17305 JK371.L6B7 1920 a

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46 **Bryan, Kirk.**

... Origin of rock tanks and charcos ... [New Haven, 1920] cover-title, p. 188–206.

"Extracted from a dissertation entitled, Geology, physiography and water resources of the Papago county [*read* country] Arizona, presented at Yale university, 1920, in partial completion of the requirements for the degree of doctor of philosophy."

"From the American journal of science, vol. L, September, 1920."

21–3412 QE581.B85

47 **Burgess, Warren Randolph,** 1889–

Trends of school costs ... New York city, Department of education, Russell Sage foundation, 1920. 142 p., 1 l.

Columbia university, 1920, PH. D.

Russell Sage foundation Education monographs, one of a number of copies issued with thesis note.

21–1050 LB2829.B7

48 **Burka, Samuel Moses,** 1891–

Hypersensitizing commercial panchromatic plates ... Baltimore, 1919 [*i. e.* Philadelphia, 1920] 24 p., 1 l.

Johns Hopkins university, 1919, PH. D.

Reprinted from the Journal of the Franklin institute, v. 189, no. 1, p. 25–46, January, 1920.

20–5225 TR281.B8

49 **Burlingame, Anne Elizabeth,** 1881–

The battle of the books in its historical setting ... introduction by James Harvey Robinson ... New York, B. W. Huebsch, inc., 1920. x, [4], 3–227 p.

Columbia university, 1921, PH. D.

21–5948 PN883.B8 1920

50 **Buswell, Guy Thomas.**

... An experimental study of the eye-voice span in reading ... [Chicago, 1920] 1 p. l., v–xi, 105 p.

University of Chicago, 1920, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Supplementary educational monographs, no. 17, December, 1920."

21–3432 BF456.R2B7

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51 **Byrne, Alice Hill,** 1876–

Titus Pomponius Atticus, chapters of a biography ... Bryn Mawr, Pa., 1920. viii, 103 p.

Bryn Mawr college, 1918, PH. D.

21–2753 DG260.A8B8

52 **Cadbury, Henry Joel.**

... The style and literary method of Luke ... Cambridge, Harvard university press; [etc., etc.] 1919–20. 2 v.

(*Added t.-p.:* Harvard theological studies ... [VI])

Harvard university, 1913, PH. D.

19–5216 BS2595.C3

53 **Cady, Gilbert Haven,** 1882–

... The structure of the La Salle anticline ... Urbana, 1920. 1 p. l., p. 85–179.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Illinois state geological survey, Bulletin no. 36."

21–1337 QE106.L3C3

54 **Cajori, Florian Anton.**

Some nutritive properties of nuts; their proteins and content of water-soluble vitamine ... [Baltimore, The Waverly press, 1920] cover-title, p. 583–606.

"The data in this paper are taken from the dissertation presented by the writer for the degree of doctor of philosophy, Yale university, 1920."

"From the Sheffield laboratory of physiological chemistry, Yale university, New Haven."

"Reprinted from the Journal of biological chemistry, vol. XLIII, no. 2, September, 1920."

21–353 TX558.N8C3

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55 **Carroll, Mitchel,** 1885–

An extra dyad and an extra tetrad in the spermatogenesis of *Camnula pellucida* (*Orthoptera*); numerical variations in the chromosome complex within the individual ... [Philadelphia, 1920] 1 p. l., p. 375–455.

University of Pennsylvania, 1919, PH. D.

"Author's abstract of this paper issued by the [Wistar institute] Bibliographic service, July 12."

"Reprinted from the Journal of morphology, volume 34, number 2, September, 1920."

20–21955 QL966.C3

56 **Chambers, William Harold,** 1894–

... Studies in the physiology of the *Fungi.* XI. Bacterial inhibition by metabolic products ... [St. Louis, 1920] cover-title, p. 249–289.

(Washington university doctoral dissertations)

Washington university, St. Louis, 1920, PH. D.

"Publications of Washington university, Saint Louis, series V, number 32."

"Reprinted from Annals of the Missouri botanical garden, November, 1920, vol. VII, no. 4."

21–10478 QR84.C5

57 **Chin, Yueh Liu.**

The political theory of Thomas Hill Green ... New York, W. D. Gray, 1920. 2 p. l., [7]–166 p., 1 l.

Columbia university, 1920, PH. D.

21–1197 JC223.G8C5

58 **Clawson, Benjamin Junior.**

... Varieties of *Streptococci,* with special reference to constancy ... [Chicago, 1920] cover-title, 24 p.

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The identification of acids. Para halogen phenacyl esters ... Easton, Pa., Eschenbach printing company, 1920. 17, [1] p.

Johns Hopkins university, 1920, PH. D.

20–18693 QD341.A2J87

137 **Karcher, John Clarence.**

Wave-length measurements in the M series of some high-frequency spectra ... Lancaster, Pa., Press of the New era printing company, 1920. 1 p. l., p. [285]–288.

University of Pennsylvania, 1920, PH. D.

"Reprinted from the Physical review, n. s., vol. xv, no. 4, April, 1920."

20–17910 QC454.K22

138 **Kay, George Frederick,** 1873–

... The origin of gumbotil ... by George Frederick Kay in collaboration with J. Newton Pearce ... [Chicago, 1920] 1 p. l., p. 89–125.

University of Chicago, 1914, PH. D.

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21–1335 QE471.K3

139 **Kehr, Marguerite Witmer,** 1890–

A comparative study of the curricula for men and women in the colleges and universities of the United States ... [Ithaca? 1920] 25, [1] p.

Cornell university, 1920, PH. D.

"Reprinted from the Journal of the Association of collegiate alumnae, vol. XIV, no. 3, Dec., 1920."

21–17558 LC1756.K4

140 **Kelly, James Peter,** 1885–

A genetical study of flower form and flower color in *Phlox drummondii* ... [Princeton, 1920] cover-title, p. [189]–248.

Princeton university, 1920, SC. D.

"Reprinted from Genetics 5 ... March, 1920."

21–347 QK981.K4

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141 **Kelly, Mervin Joe.**

... The valency of photo-electrons and the photo-electric properties of some insulators ... [Lancaster, Pa., and Ithaca, N. Y., 1920] [1], [260]–273 p.

University of Chicago, 1919, PH. D.

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21–350 QC702.K4

142 **Kew, William Stephen Webster,** 1890–

Cretaceous and cenozoic *Echinoidea* of the Pacific coast of North America ... [Berkeley, 1920] cover-title, p. [23]–236.

University of California, 1917, PH. D.

University of California publications. Bulletin of the Department of geology, v. 12, no. 2, September 28, 1920, with a special thesis t.-p. dated 1917, attached to the cover-title.

21–27010 QE783.E2K5

143 **King, Helen Maxwell,** 1885–

Les doctrines littéraires de la Quotidienne, 1814–1830 ... Durham, N. C., The Seeman printery, 1920. cover-title, vii, 8–260, iv p., 1 l.

Bryn Mawr college, 1917, PH. D.

"Reprinted from the Smith college studies in modern languages, vol. I."

21–13326 PQ287.K5

144 **Kinney, Jacob Millison,** 1877–

... The general theory of congruences without any preliminary integrations ... Chicago, Ill., 1920. 32 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries."

20–18340 QA639.K5

145 **Klein, John Frederick.**

Beiträge zu Paul Heyses novellentechnik ... [Ithaca? 1920] 66 p.

Cornell university, 1920, PH. D.

21–6459 PT2357.Z5K6

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146 **Klein, Julius.**

The Mesta; a study in Spanish economic history, 1273–1836 ... Cambridge, Harvard university press; [etc., etc.] 1920. xviii, 444 p., 1 l.

(*Half-title:* Harvard economic studies ... vol. XXI)

"Awarded the David A. Wells prize for the year 1917–18, and published from the income of the David A. Wells fund."

Harvard university, 1915, PH. D.

Without thesis note.

21–694 HD6473.S7S4 1920

147 **Klein, Philip,** 1889–

Prison methods in New York state, a contribution to the study of the theory and practice of correctional institutions in New York state ... New York, 1920. 1 p. l., 5–421 p.

Columbia university, 1919, PH. D.

Published also as Studies in history, economics and public law, edited by the Faculty of political science of Columbia university, vol. XC, no. 1, whole no. 205.

20–18422 HV9475.N7K5

148 **Knight, Charles Kelley.**

... The history of life insurance in the United States to 1870, with an introduction to its development abroad ... Philadelphia, Pa., 1920. 160 p.

University of Pennsylvania, 1920, PH. D.

21–8247 HG8951.K5

149 **Knight, Henry Granger,** 1878–

Acidity and acidimetry of soils ... [Easton? Pa., 1920] 1 p. l., 12, 21, 7, [2] p.

University of Illinois, 1917, PH. D.

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21–27090 S593.K76

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150 **Koehler, Mathilda Anna.**

Catilina in classic tradition ... [New York? 1920] 3 p. l., 9–58 p.

New York university, 1919, PH. D.

20–17404 DG259.K7

151 **Kohman, Emma Anna.**

... The experimental production of edema as related to protein deficiency ... [Boston, 1920] 1 p. l., p. 378–405.

University of Chicago, 1919, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the American journal of physiology, vol. LI, no. 2, March, 1920."

20–17006 RB149.K7

152 **Krafka, Joseph,** 1890–

The effect of temperature upon facet number in the bar-eyed mutant of *Drosophila* ... [New York, 1920] 1 p. l., p. 409–464, 1 l.

University of Illinois, 1919, PH. D.

"Contribution from the Zoological laboratory of the University of Illinois, no. 148."

"Reprinted from the Journal of general physiology, March 20, 1920, vol. II, no. 4."

20–27374 QL949.K9

153 **Kramer, Frank Henry.**

... Experimental research as a factor in commercial education ... Somerville, N. J., The Somerville pub. co., 1920. 2 p. l., 187 p.

University of Pennsylvania, 1920, PH. D.

20–13847 HF1106.K7

154 **Kunsman, Charles Henry,** 1890–

A study of the residual ionization in a gas with reference to temperature effects ... [Lancaster, Pa., and Ithaca, N. Y., 1920] 1 p. l., p. [349]–361.

University of California, 1920, PH. D.

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155 **Laing, Gordon Jennings,** 1869–

The genitive of value in Latin and other constructions with verbs of rating ... Baltimore, Md., The Library of the Johns Hopkins university [c1920] 1 p. l., v–viii, 48 p., 1 l.

Johns Hopkins university, 1896, PH. D.

Published also without thesis note.

20–20338 PA2185.L3 1920 a

156 **Lamson, Kenneth Worcester,** 1885–

... A general implicit function theorem, with an application to problems of relative minima ... [Baltimore, 1920] 1 p. l., p. 243–256, 1 l.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1920."

"Reprinted from American journal of mathematics, vol. XLII, no. 4, Oct., 1920."

21–2899 QA431.L3

157 **Landon, Mary Louise,** 1885–

The formation of addition compounds between 100% sulphuric acid on the neutral sulphates of the alkali metals ... New York city, 1920. 26 p., 1 l.

Columbia university, 1920, PH. D.

20–18343 QD501.L22

158 **Langdon, Ladema Mary.**

... Stem anatomy of *Dioon spinulosum* ... [Chicago, 1920] 1 p. l., p. 110–125.

University of Chicago, 1919, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Contributions from the Hull botanical laboratory 270."

"Reprinted from the Botanical gazette, vol. LXX, no. 2, August 1920."

20–22810 QK646.L3

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159 **Larson, John Augustus,** 1892–

On the functional correlation of the hypophysis and the thyroid ... [Boston, 1919–20] 2 pt.

University of California, 1920, PH. D.

Reprints from the American journal of physiology, vol. XLIX, no. 1, June, 1919, and vol. LIII, no. 1, August, 1920, issued as thesis, with special thesis t.-p. mounted on cover of pt. 1.

21–1509 QP187.L35

160 **Latimer, Wendell Mitchell,** 1893–

Entropy changes at low temperatures. I. Formic acid and urea ... [Easton, Pa., 1920] cover-title, p. [1533]–1542.

University of California, 1919, PH. D.

Thesis t.-p. attached to the cover of a reprint from the Journal of the American chemical society, vol. XLII, no. 8, August, 1920, having title: Entropy changes at low temperatures. I. Formic acid and urea. A test of the third law of thermodynamics, by G. E. Gibson, W. M. Latimer and G. S. Parks.

"Contribution from the Chemical laboratory of the University of California."

21–27012 QC318.L3

161 **Le Stourgeon, Flora Elizabeth.**

... Minima of functions of lines ... [New York, 1920] 1 p. l., p. 357–383.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1920."

"Reprinted from Transactions of the American mathematical society, vol. 21, no. 4, October, 1920."

21–2898 QA431.L6

162 **Littell, Clair Francis,** 1887–

The neutralization of states; a study in diplomatic history and international law ... Meadville, Pa., 1920. 181 p.

Columbia university, 1921, PH. D.

21–6367 JX4031.L5

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163 **Little, Esther Louise.**

... Budgets of families and individuals of Kensington, Philadelphia, by Esther Louise Little ... and William Joseph Henry Cotton ... Lancaster, Pa., Press of the New era printing company, 1920. vi, 273 p.

The authors' thesis, University of Pennsylvania, 1914, PH. D.

20–8623 HD6994.P5L5

164 **Lockey, Joseph Byrne,** 1877–

Pan-Americanism: its beginnings ... New York, The Macmillan company, 1920. 5 p. l., 503 p., 1 l.

Columbia university, 1920, PH. D.

Published also without thesis note.

20–11652 F1404.L82

165 **Lowry, Homer Hiram,** 1898–

Studies in the adsorption of charcoal ... Easton, Pa., Eschenbach printing company, 1920. cover-title, 27, [1] p.

Princeton university, 1920, PH. D.

Reprinted from the Journal of the American chemical society, v. 42, no. 7, July, 1920, p. 1393–1419, in which H. H. Lowry and G. A. Hulett are given as authors.

21–1336 QC182.L6

166 **Lucas, Edmund De Long,** 1882–

The economic life of a Punjab village ... [Lahore] The Civil and military gazette [1920] 3 p. l., iv, 138, xi, [1] p., 1 l.

Columbia university, 1920, PH. D.

Thesis note is on a slip mounted on t.-p.

"The village of Kabirpur ... is the subject of this study."—Introd.

20–19463 HC438.K3L8

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167 **Lyon, Leverett Samuel,** 1885–

... A functional approach to social-economic data ... [Chicago, 1920] 1 p. l., p. 529–564.

University of Chicago, 1920, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Preprinted from the Journal of political economy, vol. XXVIII, no. 7, July, 1920."

20–20316 HB71.L93

168 **McClees, Helen,** 1885–

A study of women in Attic inscriptions ... New York, Columbia university press, 1920. 2 p. l., 53 p.

(*Half-title:* Columbia university studies in classical philology)

Columbia university, 1919, PH. D.

Published also without thesis note.

20–11001 DF93.M3

169 **MacClintock, Lander,** 1889–

... Sainte-Beuve's critical theory and practice after 1849 ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–ix, 161 p.

University of Chicago, 1917, PH. D.

Published also without thesis note.

20–16366 PQ2391.Z5M18

170 **McFayden, Donald.**

... The history of the title *imperator* under the Roman empire ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–ix, 67 p.

University of Chicago, 1916, PH. D.

Published also without thesis note.

20–4301 DG83.5.I 6M5

171 **McGavack, John,** 1893–

The adsorption of sulfur dioxide by the gel of silicic acid ... Easton, Pa., Eschenbach printing company, 1920. 37, [1] p.

Johns Hopkins university, 1920, PH. D.

21–5704 QC182.M3

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172 **McIntyre, Clara Frances.**

... Ann Radcliffe in relation to her time ... New Haven, Yale university press; [etc., etc.] 1920. 108 p.
(Yale studies in English ... LXII)
Yale university, 1918, PH. D.
21-6262 PR5204.M3 1920

173 **Macy, Icie Gertrude.**

... Comparative studies on the physiological value and toxicity of cotton seed and some of its products [by] Icie G. Macy and Lafayette B. Mendel ... [Baltimore, 1920] p. 345-390.
"The data in this paper were taken from the dissertation submitted by Icie G. Macy for the degree of doctor of philosophy, Yale university, 1920."
"From the Sheffield laboratory of physiological chemistry, Yale university."
"Reprinted from the Journal of pharmacology and experimental therapeutics, vol. XVI, no. 5, December, 1920."
21-11729 SF99.M3

174 **Martin, Donnis,** *ed.*

The Cynegetica of Nemesianus ... [Ithaca? N. Y., 1920] 83 p.
Cornell university, 1917, PH. D.
21-13684 PA6514.N4 1917

175 **Martin, Gladys,** 1891- *ed.*

Laus Pisonis ... [Ithaca? 1920] 2 p. l., 3-97 p.
Cornell university, 1917, PH. D.
Authorship has been variously ascribed to Vergilius, Lucanus, Ovidius, Saleius Bassus, Papinius Statius, and Calpurnius Siculus.
21-9879 PA6271.C2A3 1920

176 **Marvel, Carl Shipp,** 1894-

A study of the possible asymmetry of the aliphatic diazo compounds ... [Easton, Pa., 1920] 24 p., 1 l.
University of Illinois, 1920, PH. D.
"Reprinted from the Journal of the American chemical society, vol. XLII, no. 11. November, 1920."
21-27095 QD305.A9M3

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177 **Mary Gonzaga,** *Sister.*

The mysticism of Johann Joseph von Görres as a reaction against rationalism ... Washington, 1920. 182 p.

Catholic university of America, 1920, PH. D.

21–8785 BV5095.G6M3

178 **Maxson, Charles Hartshorn.**

... The great awakening in the middle colonies ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–vii, 158 p.

University of Chicago, 1915, PH. D.

Published also without thesis note.

20–14755 BR520.M55 1920 a

179 **May, Henry Gustav,** 1886–

Contributions to the life histories of *Gordius robustus* Leidy and *Paragordius varius* (Leidy) with twenty-one plates ... [Urbana, Ill., University of Illinois, ᶜ1920] 118 p.

(*Added t.-p.:* Illinois biological monographs, vol. v, no. 2, April, 1919)

University of Illinois, 1917, PH. D.

Thesis note on verso of t.-p.

"Contributions from the Zoological laboratory of the University of Illinois under the direction of Henry B. Ward, no. 144."

20–11674 QL391.N5M3

180 **Mellon, Melvin Guy,** 1893–

Further studies on a lead standard cell ... Easton, Pa., Eschenbach printing co., 1920. 22 p., 1 l.

Ohio state university, 1920, PH. D.

21–10475 QC603.M55

181 **Menner, Robert James,** *ed.*

... Purity, a Middle English poem, ed. with introduction, notes, and glossary by Robert J. Menner ... New Haven, Yale university press; [etc., etc.] 1920. lxii, 234 p.

(Yale studies in English ... LXI)

Yale university, 1918, PH. D.

21–2137 PR1964.A2M4

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182 **Meyer, William Ferdinand.**

A study of certain nebulae for evidences of polarization effects ... [Berkeley, 1920] cover-title, p. 68–78.

University of California, 1919, PH. D.

University of California publications. Astronomy. Lick observatory bulletin no. 328, with special thesis t.-p. dated 1919, attached to p. 68.

20–21956 QB851.M55

183 **Michener, Anna Marguerite,** 1893–

The budget system of Frankfort-on-the-Main ... [White Plains, N. Y., Westchester printing service, ᶜ1920] 127, [1] p.

Copyright date 1920 corrected in manuscript to 1921.

Columbia university, 1920, PH. D.

21–8720 HJ9484.F7M5

184 **Miles, Lee Ellis,** 1890–

The leaf spots of the elm ... [Urbana?] 1920. 2 p. l., p. 161–196, 1 l.

University of Illinois, 1920, PH. D.

Reprinted from the Botanical gazette, vol. LXXI, no. 3, March, 1921.

21–18341 SB608.E5M5

185 **Miller, George Edgar,** 1891–

Anthraquinone: 1, 8 aliphatic thio-ether-sulphonic acids and di-thio-ethers ... [Baltimore? 1920] 29 p.

Johns Hopkins university, 1920, PH. D.

21–3411 QD341.A2M63

186 **Miller, George Elmer.**

... The C_4-saccharinic acids. I. The resolution of dl-2, 3-dioxybutyric acid into the optically-active components. The derivatives of these acids ... Easton, Pa., Eschenbach printing co., 1920. 10 p.

University of Chicago, 1919, PH. D.

"Reprinted from an article in the Journal of the American chemical society for November, 1920, by J. W. E. Glattfeld and G. E. Miller."

21–8952 QD305.A2M62

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187 **Milligan, Charles H.**

... The preparation of optically-active hydrazines. I. The preparation of *dl-p*-trimethylethylphenylhydrazine. The isolation of pure *d-p*-trimethylethylaniline ... Easton, Pa., Press of the Eschenbach printing co., 1920. 9 p.

University of Chicago, 1919, PH. D.

"Reprinted from an article in the Journal of the American chemical society for November, 1920, by J. W. E. Glattfeld and C. H. Milligan."

21–10477 QD341.A8M75

188 **Mirasol, Jose Jison,** 1891–

Aluminum as a factor in soil acidity ... [Baltimore, 1920] 2 p. l., p. 153–219.

University of Illinois, 1920, PH. D.

"Reprinted from Soil science, vol. 10, no. 3, September, 1920."

21–27091 S593.M5

189 **Moehlmann, Conrad Henry,** 1879–

... The combination *Theos Soter* as explanation of the primitive Christian use of *Soter* as title and name of Jesus ... [Rochester, N. Y., The Du Bois press, 1920] 3 p. l., 64, [2] p.

University of Michigan, 1918, PH. D.

21–27055 BT590.N2M6

190 **Morris, Frank Ray,** 1885–

Classification of involutory cubic space transformations ... [Berkeley, 1920] cover-title, p. [223]–240.

University of California, 1918, PH. D.

University of California publications in mathematics, vol. 1, no. 11, February 17, 1920, with a special thesis t.-p. attached to the cover-title.

20–18992 QA601.M8 1920 a

191 **Mudge, William Alvin,** 1892–

A study of the saturated potassium chloride calomel cell ... New York city, 1920. 24 p., 1 l.

Columbia university, 1921, PH. D.

21–4582 QD561.M87

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192 **Myers, Rollin Guizot,** 1877–

Studies on the blood of marine animals. I. A chemical study of the blood of several invertebrate animals. II. A chemical study of whale blood ... Stanford University, 1920. 1 p. l., p. 119–135, 137–143.

Leland Stanford junior university, 1919, PH. D.

"Reprinted from the Journal of biological chemistry, vol. XLI, no. 1, January, 1920."

20–5175 QP91.M9

193 **Myers, William Irving,** 1891–

An economic study of farm layout ... [Ithaca, 1920] 1 p. l., p. 385–563.

Cornell university, 1918, PH. D.

"Reprinted from Memoir 34, June, 1920," of Cornell university agricultural experiment station.

21–6282 S563.M8

194 **Nalder, Frank Fielding,** 1876–

The American state reformatory, with special reference to its educational aspects ... [Berkeley, 1920] cover-title, p. [289]–450.

University of California, 1916, PH. D.

University of California publications. Education, v. 5, no. 3, March 10, 1920, with special thesis t.-p. dated December 1916 attached to the cover-title.

20–17304 HV9091.N3

195 **Oakes, Earle Thomas,** 1890–

The determination of the hydrogen-ion concentration in pure water by a method for measuring the electromotive force of concentration cells of high internal resistance ... New York, Columbia university press, 1920. 22 p., 1 l.

Columbia university, 1919, PH. D.

Published also without thesis note.

21–5030 QC603.O3

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196 **Ogilvie, Paul Morgan,** 1885–

International waterways: I. The evolution of the principle of international waterways. II. A reference-manual to the treaties, conventions, laws, and other fundamental acts governing the international use of inland waterways ... New York, The Macmillan company, 1920. 7 p. l., 3–424 p., 1 l.

Columbia university, 1921, PH. D.

Published also without thesis note.

21–11701 HE385.O5 1920 a

197 **Olson, Axel Ragnar,** 1889–

Determination of the equilibrium between chlorine, water, hydrochloric acid and chloric acid. The free energy of the chlorate ion ... [Easton, Pa., 1920] cover-title, p. [896]–904.

University of California, 1917, PH. D.

Thesis t.-p. dated December, 1917, attached to the cover of the reprint from the Journal of the American chemical society, vol. XLII, no. 5, May, 1920.

20–18996 QD501.O7

198 **Otis, Arthur Sinton,** 1886–

An absolute point scale for the group measurement of intelligence ... [Baltimore, 1920] 43 p.

Leland Stanford junior university, 1920, PH. D.

Thesis note on cover which is dated February 1920.

"Reprint from the Journal of educational psychology, vol. IX, nos. 5, 6, May–June 1918."

20–17894 BF431.O8

199 **Overlach, Theodore William,** 1887–

Foreign financial control in China ... [New York] 1920. 4 p. l., v–ix, xiii, 295 p.

University of California, 1920, PH. D.

Includes t.-p. of the original issue which has imprint: New York, The Macmillan company, 1919.

CA 20–371 Unrev'd HC427.O8 1920

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200 **Owens, Albert Waffle.**

Observations on the rare earths: the purification and atomic weight of samarium ... [Easton, Pa., 1920] 15, [1] p.

University of Illinois, 1918, PH. D.

20-27274 QD181.S2O8

201 **Park, Joseph Hendershot,** 1890–

The English reform bill of 1867 ... New York, 1920. 2 p. l., 7–287 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, edited by the Faculty of political science of Columbia university, vol. XCIII, no. 1, whole number 210.

21-925 JN548.1867.P4

202 **Parker, William,** 1885–

The Paris Bourse and French finance, with reference to organized speculation in New York ... New York, 1920. 1 p. l., 5–117 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LXXXIX, no. 3, whole no. 204.

20-13492 HG4582.P3

203 **Parks, George Sutton,** 1894–

Ethyl and propyl alcohols and their equal molal mixture ... [Easton, Pa., 1920] cover-title, p. [1542]–1550.

University of California, 1919, PH. D.

Thesis t.-p. attached to the cover of the reprint from the Journal of the American chemical society, vol. XLII, no. 8, August, 1920, which has title: Entropy changes at low temperatures. II. Ethyl and propyl alcohols and their equal molal mixture, by G. E. Gibson, G. S. Parks and W. M. Latimer.

21-352 QC318.P3

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204 **Patterson, Thomas Leon,** 1884–

... The movements of the empty stomach in *Amphibia* and *Reptilia* ... [Chicago? 1920] 2 p. l., 56–88, 7, 293–306, 153–165 p.

University of Chicago, 1920, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

The first, third, and fourth articles are reprinted from the American journal of physiology, vol. XLII, no. 1, Dec. 1916, vol. LIII, no. 2, Sept. 1920, vol. LIV, no. 1, Nov. 1920, the second from the Journal of laboratory and clinical medicine, vol. V, no. 10, July 1920.

21–17853 QP151.P3

205 **Paynter, Richard Henry,** 1890–

A psychological study of trade-mark infringement ... New York, 1920. iv, 73 p.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology, no. 42."

20–11581 BF200.P3

206 **Perkins, Edward H.**

... The origin of the Dighton conglomerate of the Narragansett Basin of Massachusetts and Rhode Island ... [New Haven, 1920] cover-title, p. 61–75.

Yale university, 1919, PH. D.

Thesis note is a foot-note on p. 61.

"From the American journal of science, vol. XLIX, January, 1920."

20–7356 QE471.P4

207 **Perry, Ben Edwin,** 1892–

The Metamorphoses ascribed to Lucius of Patrae, its content, nature, and authorship ... Lancaster, Pa., Press of the New era printing company [1920] v, 74 p.

Princeton university, 1919, PH. D.

21–3137 PA4230.L8P4

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208 **Peterson, John Christian.**

... The higher mental processes in learning ... [Princeton, N. J., Princeton university press] 1920. 3 p. l., 121 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Psychological monographs, vol. XXVIII, no. 7, whole no. 129."

21–7272 BF431.P4 1920

209 **Pettit, Walter William,** 1882–

... Self-supporting students in certain New York city high schools ... New York, The New York school of social work, 1920. 87, [1] p.

Columbia university, 1918, PH. D.

One of a number of Studies in social work, issued with thesis note.

20–11084 LB3611.P4 1920 a

210 **Phillips, Thomas Guthrie.**

... Chemical and physical changes during geotropic response ... [Chicago, 1920] 1 p. l., p. 168–178.

University of Chicago, 1918, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Contributions from the Hull botanical laboratory 262."

"Reprinted from the Botanical gazette, vol. LXIX, no. 2, February, 1920."

20–5889 QK776.P5

211 **Powell, Sargent Gastman,** 1895–

Unsaturated phenyl ethers and their rearrangements ... [Easton, Pa., 1920] 1 p. l., p. [646]–658, 1 l.

University of Illinois, 1920, PH. D.

"Reprinted from the Journal of the American chemical society, vol. XLII, no. 3, March, 1920."

Caption title: A comparison of the activity of certain unsaturated groups with the activity of the allyl groups in certain ethers. By S. G. Powell, with Roger Adams.

20–27275 QD341.E7P7

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212 **Powers, Edwin Booth,** 1880–

The influence of temperature and concentration on the toxicity of salts to fishes ... [Brooklyn, N. Y., 1920] 1 p. l., 95–112 p., 1 l.

University of Illinois, 1918, PH. D.

"Contributions from the Zoological laboratory, University of Illinois, no. 154."

"Reprinted from Ecology, vol. I. no. 2, April, 1920."

21–27093 QL639.P6

213 **Prince, Samuel Henry.**

Catastrophe and social change, based upon a sociological study of the Halifax disaster ... New York, 1920. 2 p. l., 7–153 p.

Columbia university, 1920, PH. D.

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Published also without thesis note.

20–5824 BL240.W64

297 **Woody, Thomas,** 1891–

Early Quaker education in Pennsylvania ... New York city, Teachers college, Columbia university, 1920. 3 p. l., 287, [1] p.

Columbia university, 1918, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 105.

20–19658 LA355.W65

298 **Woofter, Thomas Jackson,** 1893–

Negro migration, changes in rural organization and population of the cotton belt ... New York, W. D. Gray, 1920. 2 p. l., [7]–195, [1] p.

Columbia university, 1921, PH. D.

Published also without thesis note.

21–1198 HD207.W6 1920 a

299 **Wyckoff, Ralph Walter Graystone,** 1897–

... The crystal structure of cesium dichloro-iodide ... [Easton, Pa., 1920] 19 p.

Cornell university, 1919, PH. D.

"Reprinted from the Journal of the American chemical society, vol. XLII. no. 6, June, 1920."

20–18990 QD181.I 1W8

300 **Zigler, Michael Jacob,** 1892–

An experimental study of visual form ... [Worcester, Mass., 1920] 1 p. l., p. 273–300.

Cornell university, 1920, PH. D.

"From the Psychological laboratory of Cornell university."

"Reprinted from the American journal of psychology, July 1920, vol. XXXI."

21–7639 BF241.Z5

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SECTION II

CLASSIFIED LISTS OF THE THESES OF 1920, ARRANGED UNDER THE BROAD CLASSES OF THE LIBRARY OF CONGRESS SCHEME

The 10 titles supplementary to the lists of 1912, 1916, 1918, and 1919 are included

2334—22——6

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CLASSIFIED LISTS OF THE THESES OF 1920, ARRANGED UNDER THE BROAD CLASSES OF THE LIBRARY OF CONGRESS SCHEME

The 10 titles supplementary to the lists of 1912, 1916, 1918, and 1919 are included.

Entries are given in same form as in Section I; titles are repeated if theses treat of more than one subject and the subjects belong to different classes.

A somewhat minute subject index can be found in Section III following.

Philosophy, Religion

(Class B)

Achilles, Edith Mulhall, 1892–

Experimental studies in recall and recognition ... New York, 1920. v, 80 p., 1 l.

Columbia university, 1918, PH. D.

"Reprinted from Archives of psychology, no. 44."

Bagg, Halsey Joseph, 1889–

Individual differences and family resemblances in animal behavior, a study of habit formation in various strains of mice ... New York, 1920. v, 59 p.

Columbia university, 1918, PH. D.

"Reprinted from Archives of psychology, no. 43."

Bills, Marion Almira, 1886–

The lag of visual sensation in its relation to wavelengths and intensity of light ... Princeton, N. J., and Lancaster, Pa., Psychological review co. [1920] vi, 101, [1] p.

Bryn Mawr college, 1917, PH. D.

Published also as Psychological review publications. Psychological monographs ... vol. XXVIII, no. 5; whole no. 127.

Digitized by Google

Blachly, Clarence Dan.

... The treatment of the problem of capital and labor in social-study courses in the churches ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–viii, 81 p.

University of Chicago, 1919, PH. D.

Published also without thesis note.

Blackiston, Harry Spencer.

... A study in the ethics of the early romantic school in Germany ... Philadelphia, International printing company, 1920. 37 p.

University of Pennsylvania, 1920, PH. D.

Blanchard, Phyllis Mary.

The adolescent girl; a study from the psychoanalytic viewpoint ... with a preface by Dr. G. Stanley Hall. New York, Moffat, Yard and company, 1920. xiv, 13–242 p.

Clark university, 1919, PH. D.

Thesis note on type-written slip mounted in front of book.

Buswell, Guy Thomas.

... An experimental study of the eye-voice span in reading ... [Chicago, 1920] 1 p. l., v–xi, 105 p.

University of Chicago, 1920, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from Supplementary educational monographs, no. 17, December, 1920."

Cadbury, Henry Joel.

... The style and literary method of Luke ... Cambridge, Harvard university press; [etc., etc.] 1919–20. 2 v.

(*Added t.-p.:* Harvard theological studies ... [VI])

Series title also at head of t.-p.

Harvard university, 1913, PH. D.

Digitized by Google

Collins, Marie Taylor, 1891–

... Some modern conceptions of natural law ... Lancaster, Pa., and New York, Longmans, Green & company, 1920. v, 103 p.

(Cornell studies in philosophy. no. 12)

Cornell university, 1919, PH. D.

Cuff, Mary Louise, *sister.*

The limitations of the educational theory of John Locke, especially for the Christian teacher ... Washington, D. C., 1920. 148 p.

Catholic university of America, 1920, PH. D.

Dewey, Malcolm Howard.

... Herder's relation to the aesthetic theory of his time; a contribution based on the fourth critical Wäldchen ... Chicago, Ill., 1920. 4 p. l., 124 p.

University of Chicago, 1918, PH. D.

"Private edition, distributed by the University of Chicago libraries."

Dimmick, Forrest Lee, 1893–

An experimental study of visual movement and the phi phenomenon ... [Worcester, Mass., 1920] 1 p. l., p. 317–332.

Cornell university, 1920, PH. D.

"From the Psychological laboratory of Cornell university."

"Reprinted from the American journal of psychology, October 1920, vol. XXXI."

Doll, Edgar Arnold, 1889–

The growth of intelligence ... Princeton, Princeton university press, 1920. vi, 130 p.

Princeton university, 1920, PH. D.

Published also as "Psychological review publications. Psychological monographs ... vol. XXIX, no. 2; whole no. 131, 1920."

Digitized by Google

Dooley, Lucile.

Psychoanalysis of Charlotte Brontë, as a type of the woman of genius ... [Worcester, 1920] 1 p. l., p. 221–272.

Clark university, 1916, PH. D.

"Reprinted from the American journal of psychology, July, 1920, vol. XXXI."

Gamertsfelder, Walter Sylvester, 1885–

Thought, existence and reality as viewed by F. H. Bradley and Bernard Bosanquet ... [Columbus] The Ohio state university, 1920. 107, [1] p.

Ohio state university, 1920, PH. D.

Gatewood, Esther Lucilla, 1893–

Individual differences in finger reactions ... [Princeton, Princeton university press, 1920] 3 p. l., 43 p.

Ohio state university, 1919, PH. D.

"Published as no. 126 Psychological monographs, Princeton, N. J."

Hoisington, Louis Benjamin, 1883–

On the non-visual perception of the length of lifted rods ... [Worcester, 1920] 1 p. l., p. 114–146.

Cornell university, 1920, PH. D.

"Reprinted from the American journal of psychology, April 1920, vol. XXXI."

Holland, Robert Thomas, 1870–

On the 'after-sensation' of pressure ... [Ithaca? N. Y., 1920] [1], 302–318 p.

Cornell university, 1920, PH. D.

"Reprinted from the Journal of experimental psychology, vol. III, 1920."

Huchthausen, John Ludwig A., 1871–

Ideen freisinniger protestantischer pfarrer in neueren deutschen romanen ... St. Paul, Minn., F. Henke co. [1920] 4 p. l., 2–58 p.

University of Minnesota, 1919, PH. D.

Added t.-p. in English has thesis note.

Digitized by Google

Hull, Clark Leonard.

... Quantitative aspects of the evolution of concepts, an experimental study ... Princeton, N. J., and Lancaster, Pa., Psychological review company [1920] 3 p. l., 85, [1] p.

(Psychological review publications. Psychological monographs. vol. XXVIII, no. 1; whole no. 123)

University of Wisconsin, 1918, PH. D.

Johnson, Willis Ernest, 1869–

The formulation of standards of educational achievement for a state ... [Minneapolis? 1920] 2 p. l., 77 p.

University of Minnesota, 1919, PH. D.

"The problem ... is to ascertain what standards of educational accomplishment actually obtain in the elementary grades of ... schools of South Dakota."—p. 2.

Mary Gonzaga, *Sister.*

The mysticism of Johann Joseph von Görres as a reaction against rationalism ... Washington, 1920. 182 p.

Catholic university of America, 1920, PH. D.

Maxson, Charles Hartshorn.

... The great awakening in the middle colonies ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–vii, 158 p.

University of Chicago, 1915, PH. D.

Published also without thesis note.

Moehlmann, Conrad Henry, 1879–

... The combination *Theos Soter* as explanation of the primitive Christian use of *Soter* as title and name of Jesus ... [Rochester, N. Y., The Du Bois press, 1920] 3 p. l., 64, [2] p.

University of Michigan, 1918, PH. D.

Otis, Arthur Sinton, 1886–

An absolute point scale for the group measurement of intelligence ... [Baltimore, 1920] 43 p.

Leland Stanford junior university, 1920, PH. D.

Thesis note on cover which is dated February 1920.

"Reprint from the Journal of educational psychology, vol. IX, nos. 5, 6, May–June 1918."

Digitized by Google

Paynter, Richard Henry, 1890–

A psychological study of trade-mark infringement ... New York, 1920. iv, 73 p.

Columbia university, 1917, PH. D.

"Reprinted from Archives of psychology, no. 42."

Peterson, John Christian.

... The higher mental processes in learning ... [Princeton, N. J., Princeton university press] 1920. 3 p. l., 121 p.

University of Chicago, 1917, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Psychological monographs, vol. XXVIII, no. 7, whole no. 129."

Reidenbach, Clarence.

A critical analysis of patriotism as an ethical concept ... [Indianapolis? 1920] 127 p.

Yale university, 1918, PH. D.

Robinson, Edward Stevens.

... Some factors determining the degree of retroactive inhibition ... [Princeton, N. J., and Lancaster, Pa., 1920] 3 p. l., 57 p.

University of Chicago, 1920, PH. D.

"Reprinted from the Psychological monographs, vol. XXVIII, no. 6; whole no. 128."

Russell, Elbert, 1871–

... Paronomasia and kindred phenomena in the New Testament ... [Leipzig, Printed by W. Drugulin, 1920] 46, [2] p.

University of Chicago, 1919, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois, 1920."

Schneider, Herbert Wallace, 1892–

Science and social progress, a philosophical introduction to moral science ... Lancaster, Pa., 1920. x, 65, [1] p.

Columbia university, 1917, PH. D.

"Reprinted from Archives of philosophy, no. 12."

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Snoddy, George Samuel.

... An experimental analysis of a case of trial and error learning in the human subject ... Princeton, N. J., and Lancaster, Pa., Psychological review company [1920] 3 p. l., 78 p., 1 l.

(Psychological review publications. Psychological monographs. vol. XXVIII, no. 2; whole no. 124)

Clark university, 1915, PH. D.

Without thesis note.

Taylor, James Sturdevant, 1895–

A set of five postulates for Boolean algebras in terms of the operation "exception"... [Berkeley, 1920] cover-title, p. [241]–248.

University of California, 1918, PH. D.

University of California publications in mathematics, v. 1, no. 12, April 12, 1920, with special thesis t.-p. attached to cover-title.

Thalheimer, Alvin, 1894–

The meaning of the terms: 'existence' and 'reality' ... Princeton, N. J., Princeton university press [1920] 116 p.

Johns Hopkins university, 1918, PH. D.

Uppvall, Axel Johan.

August Strindberg; a psychoanalytic study with special reference to the Oedipus complex ... Boston, R. G. Badger [1920] 95 p.

Clark university, 1920, PH. D.

Published also without thesis note.

Waxman, Meyer, 1884–

... The philosophy of Don Hasdai Crescas ... New York, Columbia university press, 1920. xii, 163 p.

Columbia university, 1916, PH. D.

Published also as Columbia university oriental studies, vol. XVII.

Wedel, Theodore Otto.

... The mediæval attitude toward astrology, particularly in England ... New Haven, Yale university press; [etc., etc.] 1920. v p., 1 l., 163 p.

(Yale studies in English. A. S. Cook, editor. LX)

Yale university, 1918, PH. D.

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Wheeler, Raymond Holder.

An experimental investigation of the process of choosing ... [Eugene, Or., 1920] cover-title, 59 p.

Clark university, 1920, PH. D.

University of Oregon publications, vol. I, no. 2, January, 1920, with thesis cover-title.

Woodburne, Angus Stewart.

... The relation between religion and science: a biological approach ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–vii, 103 p.

University of Chicago, 1918, PH. D.

Published also without thesis note.

Zigler, Michael Jacob, 1892–

An experimental study of visual form ... [Worcester, Mass., 1920] 1 p. l., p. 273–300.

Cornell university, 1920, PH. D.

"From the Psychological laboratory of Cornell university."

"Reprinted from the American journal of psychology, July 1920, vol. XXXI."

History (except American)

(Class D)

Bassett, Henry Jewell, 1880–

Macrinus and Diadumenianus ... Menasha, Wis., George Banta publishing company, 1920. 94 p.

University of Michigan, 1920, PH. D.

Boyce, Helen, *d.* 1920.

... The mines of the Upper Harz from 1514 to 1589 ... Menasha, Wis., George Banta publishing company, 1920. viii, 122 p.

University of Chicago, 1917, PH. D.

"Based on a chronicle of the Upper Harz mines which covers the years from 1505 until 1583 ... written in the sixteenth century by Hardanus Hake ... The main portion of the chronicle was published for the first time in 1911 under the title Die bergchronik des Hardanus Hake, pastors zu Wildemann, and was edited by Dr. H. Denker of Osnabrück."—Introd.

Digitized by Google

Byrne, Alice Hill, 1876–

Titus Pomponius Atticus, chapters of a biography ... Bryn Mawr, Pa., 1920. viii, 103 p.
Bryn Mawr college, 1918, PH. D.

Craven, Lucile.

... Antony's oriental policy until the defeat of the Parthian expedition ... Columbia, Mo., University of Missouri, 1920. 2 p. l., vii–xi, 87 p.
(The University of Missouri studies. Social science series. vol. III, no. 2)
University of Missouri, 1918, PH. D.

David, Charles Wendell.

Robert Curthose, duke of Normandy ... Cambridge, Harvard university press; [etc., etc.] 1920. xiv, 271, [1] p.
(*Half-title:* Harvard historical studies ... vol. XXV)
Harvard university, 1918, PH. D.
Without thesis note.

Diamonon, Victoriano D.

The development of self-government in the Philippine Islands ... Iowa City, Ia., 1920. vii p., 1 l., 11–162 p.
University of Iowa, 1920, PH. D.

Gillespie, James Edward, 1887–

The influence of oversea expansion on England to 1700 ... New York, 1920. 1 p. l., 5–369 p.
Columbia university, 1920, PH. D.
Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCI, no. 1; whole no. 207.

Glicksman, Harry.

The sources of Milton's History of Britain ... [Madison, 1920] cover-title, p. [105]–144.
Yale university, 1918, PH. D.
"Reprinted from University of Wisconsin studies in language and literature. no. 11."

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Koehler, Mathilda Anna.

Catilina in classic tradition ... [New York? 1920] 3 p. l., 9–58 p.
New York university, 1919, PH. D.

Lucas, Edmund De Long, 1882–

The economic life of a Punjab village ... [Lahore] The Civil and military gazette [1920] 3 p. l., iv, 138, xi, [1] p., 1 l.
Columbia university, 1920, PH. D.
Thesis note is on a slip mounted on t.-p.
"The village of Kabirpur ... is the subject of this study."—Introd.

McClees, Helen, 1885–

A study of women in Attic inscriptions ... New York, Columbia university press, 1920. 2 p. l., 53 p.
(*Half-title:* Columbia university studies in classical philology)
Columbia university, 1919, PH. D.
Published also without thesis note.

McFayden, Donald.

... The history of the title *imperator* under the Roman empire ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–ix, 67 p.
University of Chicago, 1916, PH. D.
Published also without thesis note.

Overlach, Theodore William, 1887–

Foreign financial control in China ... [New York] 1920. 4 p. l., v–ix, xiii, 295 p.
University of California, 1920, PH. D.
Includes t.-p. of the original issue which has imprint: New York, The Macmillan company, 1919.

Withington, Robert, 1884–

English pageantry; an historical outline ... Cambridge, Harvard university press; [etc., etc.] 1918–20. 2 v.
Harvard university, 1913, PH. D.
Without thesis note.

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America

(Classes E-F)

Berkson, Isaac Baer, 1891–

Theories of Americanization; a critical study, with special reference to the Jewish group ... New York city, Teachers college, Columbia university, 1920. viii, 226 p., 1 l.

Columbia university, 1919, PH. D.

Published also as Contributions to education, no. 109, Teachers college, Columbia university.

Boyer, Philip Albert.

... The adjustment of a school to individual and community needs ... Philadelphia, Pa., 1920. 141 p.

University of Pennsylvania, 1920, PH. D.

"An attempt to apply to the organization and management of a school the principles of efficiency underlying scientific management in industry. The school under consideration [is] the Stanton-Arthur ... Philadelphia."—Introd.

"The immediate community served by the Stanton-Arthur contains a large proportion of negroes."—p. 41.

Brown, Everett Somerville, 1886–

The constitutional history of the Louisiana purchase, 1803–1812 ... [Berkeley, 1920] 3 p. l., v–xi, 248 p.

University of California, 1917, PH. D.

University of California publications in history, vol. x, with special thesis t.-p. inserted.

Gulick, Luther Halsey, 1892–

Evolution of the budget in Massachusetts ... New York, The Macmillan company, 1920. x p., 1 l., 240 p., 1 l.

Columbia university, 1920, PH. D.

Published also as Special studies in administration by the Bureau of municipal research and the Training school for public service, no. 2.

Lockey, Joseph Byrne, 1877–

Pan-Americanism: its beginnings ... New York, The Macmillan company, 1920. 5 p. l., 503 p., 1 l.

Columbia university, 1920, PH. D.

Published also without thesis note.

Digitized by Google

Maxson, Charles Hartshorn.

... The great awakening in the middle colonies ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–vii, 158 p.

University of Chicago, 1915, PH. D.

Published also without thesis note.

Prince, Samuel Henry.

Catastrophe and social change, based upon a sociological study of the Halifax disaster ... New York, 1920. 2 p. l., 7–153 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCIV, no. 1, whole number 212.

Sauer, Carl Ortwin.

... The geography of the Ozark highland of Missouri ... Chicago, Ill., The University of Chicago press, 1920. 2 p. l., vii–xviii, 245 p.

University of Chicago, 1915, PH. D.

"The Geographic society of Chicago, Bulletin no. 7."

Wood, George Arthur, 1878–

William Shirley, governor of Massachusetts, 1741–1756, a history, volume I ... New York, 1920. 435 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCII, whole no. 209.

Woody, Thomas, 1891–

Early Quaker education in Pennsylvania ... New York city, Teachers college, Columbia university, 1920. 3 p. l., 287, [1] p.

Columbia university, 1918, PH. D.

Published also as Contributions to education, Teachers college, Columbia university, no. 105.

Digitized by Google

Woofter, Thomas Jackson, 1893–

Negro migration, changes in rural organization and population of the cotton belt ... New York, W. D. Gray, 1920. 2 p. l., [7]–195, [1] p.

Columbia university, 1921, PH. D.

Published also without thesis note.

Geography, Anthropology

(Class G)

Atkinson, Geoffroy, 1892–

The extraordinary voyage in French literature before 1700 ... New York, Columbia university press, 1920. xiii, 192 p.

Columbia university, 1920, PH. D.

Columbia university studies in romance philology and literature. One of number of copies issued with thesis note.

Sauer, Carl Ortwin.

... The geography of the Ozark highland of Missouri ... Chicago, Ill., The University of Chicago press, 1920. 2 p. l., vii–xviii, 245 p.

University of Chicago, 1915, PH. D.

"The Geographic society of Chicago, Bulletin no. 7."

Social Sciences

(Class H)

Abbott, William Lewis.

... Competition and combination in the wholesale grocery trade in Philadelphia ... Menasha, Wis., George Banta publishing company, 1920. 2 p. l., 87 p.

University of Pennsylvania, 1920, PH. D.

Digitized by Google

Ayusawa, Iwao Frederick, 1894–

International labor legislation ... New York, 1920. 2 p. l., 7–259 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCI, no. 2; whole no. 208.

Baldwin, Donald C.

... Capital control in New York ... Menasha, Wis., George Banta publishing company, 1920. xxiv, 255 p.

University of Pennsylvania, 1918, PH. D.

Blachly, Clarence Dan.

... The treatment of the problem of capital and labor in social-study courses in the churches ... Chicago, Ill., The University of Chicago press, 1920. 1 p. l., v–viii, 81 p.

University of Chicago, 1919, PH. D.

Published also without thesis note.

Blanchard, Phyllis Mary.

The adolescent girl; a study from the psychoanalytic viewpoint ... with a preface by Dr. G. Stanley Hall. New York, Moffat, Yard and company, 1920. xiv, 13–242 p.

Clark university, 1919, PH. D.

Thesis note on type-written slip mounted in front of book.

Bonbright, James Cummings, 1891–

Railroad capitalization, a study of the principles of regulation of railroad securities ... New York, 1920. 1 p. l., 5–207 p.

Columbia university, 1921, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCV, no. 1, whole no. 215.

Bradley, Glenn Danford, 1884–

The story of the Santa Fe ... Boston, R. G. Badger [1920] 288 p.

[Frontiers of America]

University of Michigan, 1915, PH. D.

Published also without thesis note.

Digitized by Google

Cotton, William Joseph Henry *see* **Little, Esther Louise.**

Dozier, Howard Douglas.

A history of the Atlantic coast line railroad ... Boston and New York, Houghton Mifflin company, 1920. xi p., 2 l., 197, [1] p.

(*Half-title:* Hart, Schaffner & Marx prize essays)

Yale university, 1919, PH. D.

Dunn, Wie Tsain, 1894–

The opium traffic in its international aspects ... New York city, Columbia university, 1920. 136 p., 1 l.

Columbia university, 1920, PH. D.

Gulick, Luther Halsey, 1892–

Evolution of the budget in Massachusetts ... New York, The Macmillan company, 1920. x p., 1 l., 240 p., 1 l.

Columbia university, 1920, PH. D.

Published also as Special studies in administration by the Bureau of municipal research and the Training school for public service, no. 2.

Howard, Stanley Edwin, 1888–

The movement of wages in the cotton manufacturing industry of New England since 1860 ... Boston [etc.] National council of American cotton manufacturers, 1920. 99 p.

Princeton university, 1916, PH. D.

Slip with thesis note mounted on t.-p.

Klein, Julius.

The Mesta; a study in Spanish economic history, 1273–1836 ... Cambridge, Harvard university press; [etc., etc.] 1920. xviii, 444 p., 1 l.

(*Half-title:* Harvard economic studies ... vol. XXI)

"Awarded the David A. Wells prize for the year 1917–18, and published from the income of the David A. Wells fund."

Harvard university, 1915, PH. D.

Without thesis note.

Digitized by Google

Klein, Philip, 1889–

Prison methods in New York state, a contribution to the study of the theory and practice of correctional institutions in New York state ... New York, 1920. 1 p. l., 5–421 p.

Columbia university, 1919, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. xc, no. 1, whole no. 205.

Knight, Charles Kelley.

... The history of life insurance in the United States to 1870, with an introduction to its development abroad ... Philadelphia, Pa., 1920. 160 p.

University of Pennsylvania, 1920, PH. D.

Kramer, Frank Henry.

... Experimental research as a factor in commercial education ... Somerville, N. J., The Somerville pub. co., 1920. 2 p. l., 187 p.

University of Pennsylvania, 1920, PH. D.

Larkin, Thomas Ernest, 1894–

A study of apprenticeships, trade and educational agreements ... [Washington?] 1918. 80 p.

Catholic university of America, 1918, PH. D.

"This monograph is the result of a study undertaken by the writer in connection with the Indianapolis vocational education survey."

Little, Esther Louise.

... Budgets of families and individuals of Kensington, Philadelphia, by Esther Louise Little ... and William Joseph Henry Cotton ... Lancaster, Pa., Press of the New era printing company, 1920. vi, 273 p.

The authors' thesis, University of Pennsylvania, 1914, PH. D.

Lucas, Edmund De Long, 1882–

The economic life of a Punjab village ... [Lahore] The Civil and military gazette [1920] 3 p. l., iv, 138, xi, [1] p., 1 l.

Columbia university, 1920, PH. D.

Thesis note is on a slip mounted on t.-p.

"The village of Kabirpur ... is the subject of this study."—Introd.

Digitized by Google

Lyon, Leverett Samuel, 1885–

... A functional approach to social-economic data ... [Chicago, 1920] 1 p. l., p. 529–564.

University of Chicago, 1920, PH. D.

"Private edition, distributed by the University of Chicago libraries, Chicago, Illinois."

"Reprinted from the Journal of political economy, vol. XXVIII, no. 7, July, 1920."

Michener, Anna Marguerite, 1893–

The budget system of Frankfort-on-the-Main ... [White Plains, N. Y., Westchester printing service, c1920] 127, [1] p.

Copyright date 1920 corrected in manuscript to 1921.

Columbia university, 1920, PH. D.

Mounts, Lewis Hendrix.

Dependents, defectives and delinquents in Iowa; a study of the sources of social infection ... Iowa City, Ia. [The University] 1919. 166 p.

University of Iowa, 1916, PH. D.

Published also as University of Iowa studies in the social sciences ... vol. VII, no. 2, February, 1919.

Nalder, Frank Fielding, 1876–

The American state reformatory, with special reference to its educational aspects ... [Berkeley, 1920] cover-title, p. [289]–450.

University of California, 1916, PH. D.

University of California publications. Education, v. 5, no. 3, March 10, 1920, with special thesis t.-p. dated December 1916 attached to the cover-title.

Ogilvie, Paul Morgan, 1885–

International waterways: I. The evolution of the principle of international waterways. II. A reference-manual to the treaties, conventions, laws, and other fundamental acts governing the international use of inland waterways ... New York, The Macmillan company, 1920. 7 p. l., 3–424 p., 1 l.

Columbia university, 1921, PH. D.

Published also without thesis note.

Digitized by Google

Overlach, Theodore William, 1887–

Foreign financial control in China ... [New York] 1920. 4 p. l., v–ix, xiii, 295 p.

University of California, 1920, PH. D.

Includes t.-p. of the original issue which has imprint: New York, The Macmillan company, 1919.

Parker, William, 1885–

The Paris bourse and French finance, with reference to organized speculation in New York ... New York, 1920. 1 p. l., 5–117 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. LXXXIX, no. 3, whole no. 204.

Prince, Samuel Henry.

Catastrophe and social change, based upon a sociological study of the Halifax disaster ... New York, 1920. 2 p. l., 7–153 p.

Columbia university, 1920, PH. D.

Published also as Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, vol. XCIV, no. 1, whole number 212.

Queen, Stuart Alfred.

... The passing of the county jail ... Menasha, Wis., George Banta publishing company, 1920. 1 p. l., v–xiii, 156, [2] p.

University of Chicago, 1919, PH. D.

Robinson, Jesse Squibb, 1889–

The Amalgamated association of iron, steel and tin workers ... Baltimore, 1920. vii, 9–166 p., 1 l.

Johns Hopkins university, 1917, PH. D.

Published also as Johns Hopkins university studies in historical and political science, ser. XXXVIII, no. 2.

Digitized by Google

Schneider, Herbert Wallace, 1892–

Science and social progress, a philosophical introduction to moral science ... Lancaster, Pa., 1920. x, 65, [1] p.

Columbia university, 1917, PH. D.

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Columbia university, 1921, PH. D.

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Columbia university, 1917, PH. D.

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University of Illinois, 1918, PH. D.

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"The data in this paper were taken from the dissertation presented by Martha R. Jones for the degree of doctor of philosophy, Yale university, 1920."

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University of Chicago, 1919, PH. D.

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University of California, 1917, PH. D.

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Kinney, Jacob Millison, 1877–

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University of Chicago, 1917, PH. D.

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The effect of temperature upon facet number in the bar-eyed mutant of *Drosophila* ... [New York, 1920] 1 p. l., p. 409–464, 1 l.

University of Illinois, 1919, PH. D.

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Kunsman, Charles Henry, 1890–

A study of the residual ionization in a gas with reference to temperature effects ... [Lancaster, Pa., and Ithaca, N. Y., 1920] 1 p. l., p. [349]–361.

University of California, 1920, PH. D.

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University of Chicago, 1917, PH. D.

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Langdon, Ladema Mary.

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On the functional correlation of the hypophysis and the thyroid ... [Boston, 1919–20] 2 pt.

University of California, 1920, PH. D.

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Latimer, Wendell Mitchell, 1893–

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University of California, 1919, PH. D.

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University of Chicago, 1917, PH. D.

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McGavack, John, 1893–

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University of Illinois, 1920, PH. D.

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University of Illinois, 1917, PH. D.

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Further studies on a lead standard cell ... Easton, Pa., Eschenbach printing co., 1920. 22 p., 1 l.

Ohio state university, 1920, PH. D.

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University of California, 1919, PH. D.

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Anthraquinone: 1, 8 aliphatic thio-ether-sulphonic acids and di-thio-ethers ... [Baltimore? 1920] 29 p.
Johns Hopkins university, 1920, PH. D.

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University of Chicago, 1919, PH. D.
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A study of the vapor pressures of potassium compounds, with applications to the recovery of potash by volatilization ... New York city, 1919. 41 p.
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Morris, Frank Ray, 1885–

Classification of involutory cubic space transformations ... [Berkeley, 1920] cover-title, p. [223]–240.
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Mudge, William Alvin, 1892–

A study of the saturated potassium chloride calomel cell ... New York city, 1920. 24 p., 1 l.
Columbia university, 1921, PH. D.

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University of California, 1917, PH. D.

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Owens, Albert Waffle.

Observations on the rare earths: the purification and atomic weight of samarium ... [Easton, Pa., 1920] 15, [1] p.

University of Illinois, 1918, PH. D.

Parks, George Sutton, 1894–

Ethyl and prophyl alcohols and their equal molal mixture ... [Easton, Pa., 1920] cover-title, p. [1542]–1550.

University of California, 1919, PH. D.

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University of Chicago, 1920, PH. D.

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Yale university, 1919, PH. D.

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SECTION III

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SECTION IV

ALPHABETICAL LIST, BY UNIVERSITY, OF DOCTORS WHOSE THESES WERE PRINTED IN 1920

With Supplementary Lists, 1912, 1916, 1918, and 1919

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ALPHABETICAL LIST BY UNIVERSITY
1912, FIFTH SUPPLEMENT

The date following the name indicates year degree was conferred.

CATHOLIC UNIVERSITY OF AMERICA

MacDonald, Daniel J., 1912.

ALPHABETICAL LIST BY UNIVERSITY
1916, THIRD SUPPLEMENT

The date following the name indicates year degree was conferred.

UNIVERSITY OF CHICAGO

Matson, George Charlton, 1920.

ALPHABETICAL LIST BY UNIVERSITY
1918, SECOND SUPPLEMENT

The date following the name indicates year degree was conferred.

CATHOLIC UNIVERSITY OF AMERICA

Larkin, Thomas Ernest, 1918.

CORNELL UNIVERSITY

Goldberg, Samuel Alexander, 1917.

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ALPHABETICAL LIST BY UNIVERSITY
1919, SUPPLEMENT

The date following the name indicates year degree was conferred.

COLUMBIA UNIVERSITY

Morgan, Jerome John, 1919.

CORNELL UNIVERSITY

Hungerford, Herbert Barker, 1918.

UNIVERSITY OF IOWA

Mounts, Lewis Hendrix, 1916. Stoner, Dayton, 1919.

LELAND STANFORD JUNIOR UNIVERSITY

Williams, J. Harold, 1916.

PRINCETON UNIVERSITY

Smyth, Henry De Wolf, 1921.

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ALPHABETICAL LIST BY UNIVERSITY, 1920

The date following the name indicates year degree was conferred.

BRYN MAWR COLLEGE

Bills, Marion Almira, 1917.
Byrne, Alice Hill, 1918.
King, Helen Maxwell, 1917.
Rambo, Eleanor Ferguson, 1918.
Tobin, Elise, 1919.
Wieand, Helen Emma, 1918.

UNIVERSITY OF CALIFORNIA

Bair, William Harry, 1920.
Barter, John Douglas, 1917.
Bisson, Charles Stewart, 1919.
Brown, Everett Somerville, 1917.
Foster, Laurence Fleming, 1920.
Heller, *Mrs.* Hilda (Hempl), 1920.
Kew, William Stephen Webster, 1917.
Kunsman, Charles Henry, 1920.
Larson, John Augustus, 1920.
Latimer, Wendell Mitchell, 1919.
Meyer, William Ferdinand, 1919.
Morris, Frank Ray, 1918.
Nalder, Frank Fielding, 1916.
Olson, Axel Ragnar, 1917.
Overlach, Theodore William, 1920.
Parks, George Sutton, 1919.
Shane, Charles Donald, 1920.
Taylor, Charles Vincent, 1918.
Taylor, James Sturdevant, 1918.
Williams, Arthur Robinson, 1916.

CATHOLIC UNIVERSITY OF AMERICA

Cuff, Mary Louise, *sister,* 1920.
Mary Gonzaga, *Sister,* 1920.

UNIVERSITY OF CHICAGO

Baskett, William Denny, 1916.
Billings, *Mrs.* Grace Elvina (Hadley), 1915.
Blachly, Clarence Dan, 1919.
Boyce, Helen, 1917.
Bräunlich, Alice Freda, 1913.
Buswell, Guy Thomas, 1920.
Cady, Gilbert Haven, 1917.
Clawson, Benjamin Junior, 1919.
Clayberg, Harold Dudley, 1917.
Coon, Raymond Huntington, 1916.
Coulter, Merle Crowe, 1919.
Decker, Charles Elijah, 1917.
De Moss, William Fenn, 1920.
Dewey, Malcolm Howard, 1918.
Dragstedt, Lester Reynold, 1920.
Ewing, Warren Walter, 1920.
Gottschalk, Victor Hugo, 1917.
Haupt, Arthur Wing, 1919.
Hubble, Edwin Powell, 1917.
Ivy, Andrew Conway, 1918.
Jones, Henry Albert, 1918.
Kay, George Frederick, 1914.
Kelly, Mervin Joe, 1919.
Kinney, Jacob Millison, 1917.
Kohman, Emma Anna, 1919.
Lamson, Kenneth Worcester, 1917.
Langdon, Ladema Mary, 1919.

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UNIVERSITY OF CHICAGO—Continued.

Le Stourgeon, Flora Elizabeth, 1917.
Lyon, Leverett Samuel, 1920.
MacClintock, Lander, 1917.
McFayden, Donald, 1916.
Maxson, Charles Hartshorn, 1915.
Miller, George Elmer, 1919.
Milligan, Charles H., 1919.
Patterson, Thomas Leon, 1920.
Peterson, John Christian, 1917.
Phillips, Thomas Guthrie, 1918.
Pruessner, August Henry, 1920.
Queen, Stuart Alfred, 1919.
Raymund, Bernard, 1920.
Riddell, Agnes Rutherford, 1916.
Rising, Mary Meda, 1920.
Robinson, Edward Stevens, 1920.
Russell, Elbert, 1919.
Sauer, Carl Ortwin, 1915.
Schley, Eva Ormenta, 1914.
Sheldon, Harold Horton, 1920.
Sherburn, George Wiley, 1915.
Simon, Webster Godman, 1918.
Simpson, Thomas McNider, 1917.
Taylor, Aravilla Meek, 1919.
Walster, Harlow Leslie, 1918.
Weyand, Lorenzo Dow, 1919.
Willaman, John James, 1919.
Woodburne, Angus Stewart, 1918.

CLARK UNIVERSITY

Blanchard, Phyllis Mary, 1919.
Dooley, Lucile, 1916.
Snoddy, George Samuel, 1915.
Uppvall, Axel Johan, 1920.
Wheeler, Raymond Holder, 1920.

COLUMBIA UNIVERSITY

Achilles, Edith Mulhall, 1918.
Adams, James Fowler, 1918.
Adler, Howard, 1921.
Amos, Flora Ross, 1919.
Atkinson, Geoffroy, 1920.
Ayusawa, Iwao Frederick, 1920.
Bagg, Halsey Joseph, 1918.
Balls, Arnold Kent, 1917.
Berkson, Isaac Baer, 1919.
Bonbright, James Cummings, 1921.
Bowen, Robert Hall, 1921.
Brakeley, Elizabeth, 1920.
Burgess, Warren Randolph, 1920.
Burlingame, Anne Elizabeth, 1921.
Chin, Yueh Liu, 1920.
Davidson, Arthur William, 1921.
Dodge, Martin Herbert, 1919.
Dunn, Wie Tsain, 1920.
Fuchs, Francis Joseph, 1920.
Giesy, Paul Miller, 1920.
Gillespie, James Edward, 1920.
Granger, Frederic Stearns, 1919.
Gulick, Luther Halsey, 1920.
Harvey, Mortimer Thomas, 1920.
Hodge, Edwin Thomas, 1917.
Klein, Philip, 1919.
Landon, Mary Louise, 1920.
Littell, Clair Francis, 1921.
Lockey, Joseph Byrne, 1920.
Lucas, Edmund De Long, 1920.
McClees, Helen, 1919.
Michener, Anna Marguerite, 1920.
Mudge, William Alvin, 1921.
Oakes, Earle Thomas, 1919.
Ogilvie, Paul Morgan, 1921.
Park, Joseph Hendershot, 1920.
Parker, William, 1920.
Paynter, Richard Henry, 1917.
Pettit, Walter William, 1918.
Prince, Samuel Henry, 1920.
Reavis, George Harve, 1920.
Russell, *Mrs.* Frances Theresa (Peet), 1920.
Safir, Shelley Ray, 1920.
Sato, Hiroshi, 1921.
Schneider, Herbert Wallace, 1917.
Schrader, Franz, 1920.
Steiner, William Howard, 1921.
Stillman, Jesse Wilbur, 1920.
Struck, Ferdinand Theodore, 1920.

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COLUMBIA UNIVERSITY—Continued.

Studensky, Paul, 1921.
Taylor, Theodore Clinton, 1920.
Van Doren, Mark, 1920.
Waxman, Meyer, 1916.
Wayman, Marguerite, 1920.
Weld, William Ernest, 1920.
Wickwire, Ethel W., 1921.
Wilson, Lester MacLean, 1920.
Wood, George Arthur, 1920.
Woody, Thomas, 1918.
Woofter, Thomas Jackson, 1921.

CORNELL UNIVERSITY

Alexander, Charles Paul, 1918.
Anthony, Roy David, 1920.
Benjamin, Earl Whitney, 1914.
Broughton, Leslie Nathan, 1911.
Collins, Marie Taylor, 1919.
Cusick, James Thomas, 1920.
Dimmick, Forrest Lee, 1920.
Hausman, Leon Augustus, 1919.
Hoisington, Louis Benjamin, 1920.
Holland, Robert Thomas, 1920.
Kehr, Marguerite Witmer, 1920.
Klein, John Frederick, 1920.
Martin, Donnis, 1917.
Martin, Gladys, 1917.
Myers, William Irving, 1918.
Sheppard, Hubert, 1919.
Smith, Raymond Stratton, 1918.
Stewart, Fred Waldorf, 1919.
Stork, Harvey Elmer, 1920.
Turpin, Harold Worthington, 1919.
Wyckoff, Ralph Walter Graystone, 1919.
Zigler, Michael Jacob, 1920.

GEORGE WASHINGTON UNIVERSITY

John, Walton Colcord, 1918.
Snyder, Thomas Elliott, 1920.

HARVARD UNIVERSITY

Baker, Ray Palmer, 1916.
Cadbury, Henry Joel, 1913.
David, Charles Wendell, 1918.
Dickinson, Edwin DeWitt, 1918.
Klein, Julius, 1915.
Williams, John Henry, 1919.
Withington, Robert, 1913.

UNIVERSITY OF ILLINOIS

Albrecht, William Albert, 1919.
Borden, Raymond Franklin, 1918.
Colby, Arthur Samuel, 1919.
Frary, Hobart Dickinson, 1918.
Griffith, Coleman Roberts, 1920.
Henry, Theodore Spafford, 1917.
Howell, Lloyd Brelsford, 1919.
Jewell, Minna Ernestine, 1918.
Knight, Henry Granger, 1917.
Krafka, Joseph, 1919.
Marvel, Carl Shipp, 1920.
May, Henry Gustav, 1917.
Miles, Lee Ellis, 1920.
Mirasol, Jose Jison, 1920.
Owens, Albert Waffle, 1918.
Powell, Sargent Gastman, 1920.
Powers, Edwin Booth, 1918.
Shulters, John Raymond, 1918.
Van Winkle, William Alexander, 1919.
Wells, Lansing Sadler, 1919.

UNIVERSITY OF IOWA

Diamonon, Victoriano D., 1920.
Thompson, Merle Raymond, 1917.

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JOHNS HOPKINS UNIVERSITY

Bell, Frederick Keller, 1920.
Burka, Samuel Moses, 1919.
Connet, Helene, 1920.
Doetsch, Ernest Pohl, 1911.
Dryden, Hugh Latimer, 1919.
Espino, Rafael B., 1919.
Frehafer, Mabel Katherine, 1919.
Hastings, Walter Scott, 1917.
Helfrich, Oregon Benson, 1920.
Judefind, William Lee, 1920.
Laing, Gordon Jennings, 1896.
McGavack, John, 1920.
Miller, George Edgar, 1920.
Robinson, Jesse Squibb, 1917.
Rogers, Thomas Hunton, 1917.
Seifriz, William Ernest, 1920.
Taliaferro, William Hay, 1918.
Thalheimer, Alvin, 1918.
Towles, Oliver, 1912.
Trelease, Sam Farlow, 1917.
Wanlass, William Lawrence, 1919
Wear, Luther Ewing, 1913.

LELAND STANFORD JUNIOR UNIVERSITY

Boyce, John Shaw, 1917.
Elsey, Howard McKee, 1919.
Myers, Rollin Guizot, 1919.
Otis, Arthur Sinton, 1920.

UNIVERSITY OF MICHIGAN

Bassett, Henry Jewell, 1920.
Bradley, Glenn Danford, 1915.
Friesner, Ray Clarence, 1920.
Moehlmann, Conrad Henry, 1918.
Sturdevant, Earl Grover, 1920.
Wier, Marion Clyde, 1918.

UNIVERSITY OF MINNESOTA

Barry, Lee Willis, 1919.
Bergman, Herbert Floyd, 1918.
Brossard, Edgar Bernard, 1920.
Downey, Katherine Melvina, 1919.
Hedblom, Carl Arthur, 1920.
Henríquez Ureña, Pedro, 1918.
Huchthausen, John Ludwig A., 1919.
Johnson, Willis Ernest, 1919.
Sandiford, Irene, 1919.

UNIVERSITY OF MISSOURI

Craven, Lucile, 1918.

NEW YORK UNIVERSITY

Koehler, Mathilda Anna, 1919.
Wedel, Hassow O. von, 1920.

NORTHWESTERN UNIVERSITY

Barton, Arthur Willis, 1918.

OHIO STATE UNIVERSITY

Gamertsfelder, Walter Sylvester, 1920.
Gatewood, Esther Lucilla, 1919.
Mellon, Melvin Guy, 1920.

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UNIVERSITY OF PENNSYLVANIA

Abbott, William Lewis, 1920.
Baldwin, Donald C., 1918.
Blackiston, Harry Spencer, 1920.
Boeshore, Irwin, 1920.
Boyer, Philip Albert, 1920.
Carroll, Mitchel, 1919.
Cotton, William Joseph Henry, 1914.
Deckman, Alice Anna, 1920.
Gardner, Clarence Oran, 1912.
Garver, Francis Marion, 1920.
Karcher, John Clarence, 1920.
Knight, Charles Kelley, 1920.
Kramer, Frank Henry, 1920.
Little, Esther Louise, 1914.
Rosengarten, George, 1920.
Taylor, William Randolph, 1920.
Weaver, James Henry, 1916.
Wood, Arthur Evans, 1920.

PRINCETON UNIVERSITY

Allen, Morse Shepard, 1919.
Colwell, Robert Cameron, 1918.
Doll, Edgar Arnold, 1920.
Howard, Stanley Edwin, 1916.
Kelly, James Peter, 1920.
Lowry, Homer Hiram, 1920.
Perry, Ben Edwin, 1919.

WASHINGTON UNIVERSITY, ST. LOUIS

Chambers, William Harold, 1920.

UNIVERSITY OF WASHINGTON, SEÁTTLE

Gail, Floyd Whitney, 1920.
Thing, Curtis Willard, 1920.
Thompson, Thomas Gordon, 1918.

UNIVERSITY OF WISCONSIN

Hull, Clark Leonard, 1918.

YALE UNIVERSITY

Barkenbus, Charles, 1920.
Bryan, Kirk, 1920.
Cajori, Florian Anton, 1920.
Dawson, James Arthur, 1918.
Dozier, Howard Douglas, 1919.
Fishman, Jacob Benjamin, 1920.
Glicksman, Harry, 1918.
Hjort, Axel Magnus, 1918.
Hume, George Sherwood, 1920.
Johnstone, John Hamilton Lane, 1916.
Jones, Martha Richardson, 1920.
McIntyre, Clara Frances, 1918.
Macy, Icie Gertrude, 1920.
Menner, Robert James, 1918.
Perkins, Edward H., 1919.
Reidenbach, Clarence, 1918.
Se Boyar, Gerald Edwin, 1917.
Simpson, George Eric, 1920.
Smith, Arthur Henry, 1920.
Wedel, Theodore Otto, 1918.
Wente, Edward Christopher, 1918.

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